Docket No.: MSFT-2768/305786.01

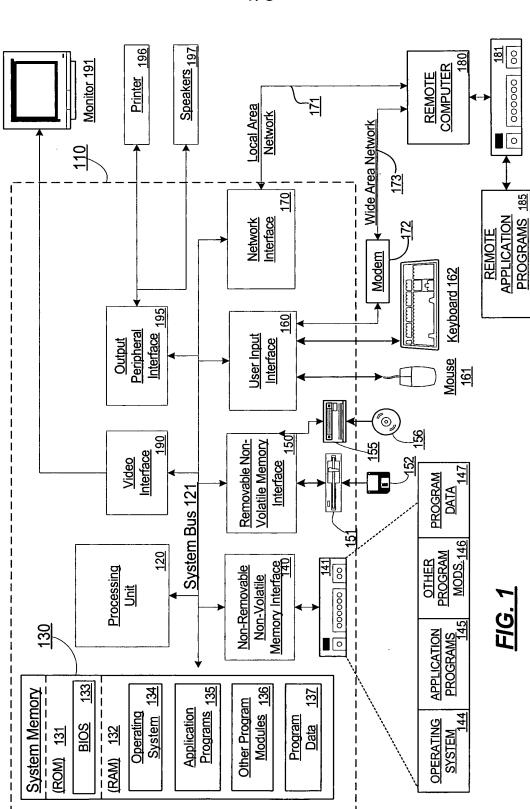
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Title: RESOLVING OPERATOS WITH USER DEFINED OPERANDS
Inventors: Paul Vick et al.

Attorney: Sharon Fenick Phone: (215) 568-3100

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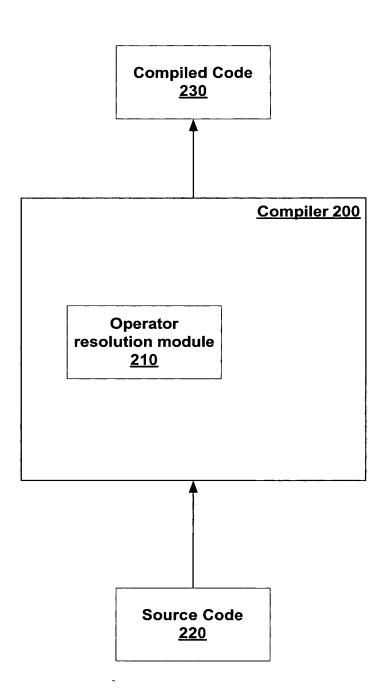


FIG. 2

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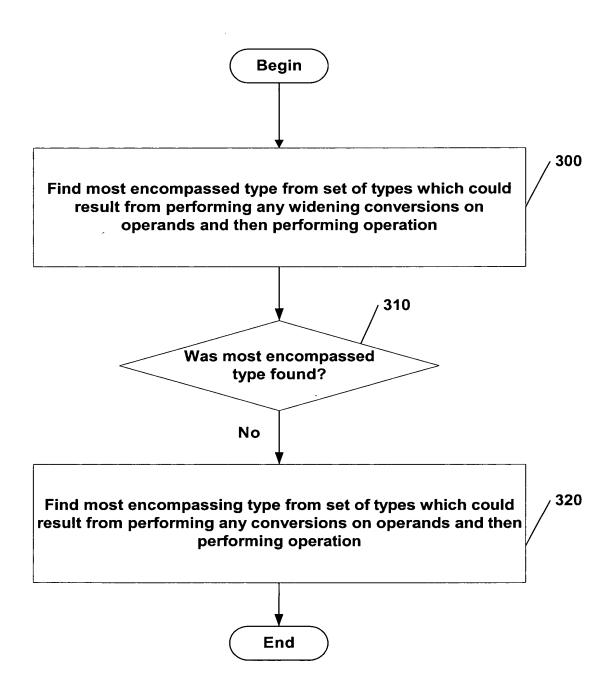


FIG. 3

Phone: (215) 568-3100 Attorney: Sharon Fenick Sheet 4 of 5 4/5 Begin 400 Calculate a first set of types resulting from the operation of overloaded binary operator on any possible set of hypothetical operands where each hypothetical operand  $\mathrm{HO}_{\mathrm{m}}$ is of a type to which there is a widening conversion from the type of the actual operand O<sub>m</sub> 420 410 No Determining the most encompassed type from Is the first set empty? among first set Yes Calculate a second set of types resulting from the operation of 430 overloaded binary operator on any possible set of hypothetical operands  $HO_{n+1}$  through  $HO_{n+n}$  where each hypothetical operand HO<sub>m+n</sub> is of a type to which there is a conversion from the type of the actual operand  $O_m$ 440 **Determining the most** encompassing type from among second set **End** 

FIG. 4

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